

Human Physiology Laboratory (BIOS 280L) - Sections 1 and 2

Wednesday and Thursday 2:00-5:00 PM in SC 230

First day in lab: 8-27-08 (Sec 1) and 8-28-08 (Sec 2)

Instructor: Dr. Terry S. LeGrand

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Office: SC 127

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Office hours: Monday and Wednesday 9-10 AM and 1-2 PM

Tuesday and Thursday 12-2 PM

Friday 9-10 AM and 11 AM-12 PM

EVALUATION: Lab attendance and lab reports - 25% of grade (Name must be on sign-out sheet and lab report must be turned in by end of lab)
Weekly quizzes - 25% of grade (Lowest quiz grade will be dropped)
Mid-term exam - 25% of grade
Final exam - 25% of grade

GRADING SCALE:

A	90-100
B	80-89
C	70-79
D	60-69
F	below 60

TEXTBOOK: There is no textbook. This course utilizes MOODLE for all course material, dissemination of grades, and communication between student and instructor. All lab materials will be available for download on MOODLE, unless otherwise stated. It will be YOUR responsibility to log on to MOODLE each week prior to lab and download, print, and bring to lab the Lab Reports that are available on MOODLE. Lab Protocols will be provided in lab, but will also be available on MOODLE if you wish to read them before lab and use them to study for quizzes. Feel free to save and open the Lab Protocol files on your computer and read or study them without printing them to save paper.

OBJECTIVE: To provide students with a basic understanding of human physiology by employing hands-on and computer simulated laboratory experiments.

LAB DESIGN: There will be one hour of pre-lab lecture in a class room and two hours of laboratory each week. Please see pre-lab room number posted on lab door. There will be a 10-question quiz each week on the previous week's lab material. During the pre-lab session, the previous week's quiz will be reviewed, and the current week's material will be presented. The actual lab will be for conducting the current week's experiment(s) and completing the lab report, which must be turned in by the end of the lab session. Late lab reports will not be accepted.

ATTENDANCE: Attendance is MANDATORY. There will be NO make-up labs OR quizzes, but you will be responsible for the material presented in all labs. In order to receive credit for attendance, your name MUST be on the sign-out sheet that is available in lab each week.

QUIZZES: In order to receive credit for weekly quizzes, you must be present to take the quiz during the first 10 minutes of the lecture portion of each lab period.

LAB REPORTS: Lab report forms are to be downloaded from MOODLE prior to the current week's lab. They must be completed during the lab and turned in by the end of the lab. Late lab reports will NOT be accepted.

MID-TERM AND FINAL EXAMS: Exams will consist of a multiple choice exam. There are NO make-ups.

Laboratory Schedule:

Lab 1	Aug 27/28	Introduction; Reflex and Cranial Nerve testing
Lab 2	Sept 3/4	Vernier: Warming Function of Nasal Passageways Vernier: Effect of Vascularity on Skin Temperature Recovery
Lab 3	Sept 10/11	PhysioEx: Cell Transport Mechanisms and Permeability PhILS: Cyanide and Electron Transport
9/12/08	LAST DAY TO DROP OR RESIGN WITHOUT "W"	
Lab 4	Sept 17/18	PhysioEx: Neurophysiology of Nerve Impulses
Lab 5	Sept 24/25	PhysioEx: Endocrine System Physiology
Lab 6	Oct 1/2	PhILS: Basal Metabolic Rate and Body Size

October 8 and 9	MID-TERM EXAMINATION OVER LABS 1-6	
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NO LAB	Oct 15/16	Fall Break: October 16 and 17 (Oct 15 is Lab Holiday only)
Lab 7	Oct 22/23	No Quiz Vernier: Introduction to EMG Vernier: Muscle Function Analysis
Lab 8	Oct 29/30	Vernier: Grip Strength Comparison Vernier: Grip Strength and Fatigue

10/31/08	LAST DAY TO DROP OR RESIGN WITH "W"	
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Lab 9	Nov 5/6	Vernier: Analyzing the Heart with EKG Vernier: Heart Rate and Exercise Vernier: Heart Rate Response to Baroreceptor Feedback
Lab 10	Nov 12/13	Vernier: Lung Volumes and Capacities PhysioEx: Blood Analysis
Lab 11	Nov 19/20	PhysioEx: Chemical and Physical Processes of Digestion
NO LAB	Nov 26/27	Thanksgiving Week (University Holidays are 11-27 & 11-28)

December 3 and 4	FINAL EXAMINATION OVER LABS 7-11	
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LSUS will make reasonable accommodations for persons with documented disabilities. Students must notify the Coordinator of Services for Students with Disabilities in the Administration building, Room 227 (Phone 797-5365) and instructor of any special needs.

Procedures for the maintenance of academic discipline at LSUS are described in the Student Handbook under the heading "Student Conduct Code." Cheating or other forms of misconduct are treated as very serious matters by this University. Depending upon the severity of the offense, sanctions include the assigning of an F grade, suspension, or expulsion. Cheating will be defined as the submission of any material (test or written assignment) that is not produced as a result of the student's own independent thought process.